WM-DX100

SERVICE MANUAL

AEP Model
E Model
Tourist Model

Model Name Using Similar Mechanism	NEW
Tape Transport Mechanism Type	MT-WMDX100-60

SPECIFICATIONS

Frequency response (DOLBY NR OFF)	20 – 18,000 Hz
Output	Earphones (PHONES/REMOTE jack) load impedance 8 – 300Ω
Power output	5 mW + 5 mW at DC operation (16Ω)
Power requirements	1.5 V DC Reachargeable battery One R6 (size AA) battery DC IN 1.5 V jack accepts (using the battery case): Sony AC-E15L AC power adaptor (not supplied) for use on 100 V AC (Use in conjunction with the supplied battery case) available in European countries for use on 220 V AC, 50 Hz available in other countries for use on 100 – 120 V AC or 220 – 240 V AC, 50 or 60 Hz

Battery life

Battery	Playback hours
Rechargeable NC-6WM fully charged	Approx. 2 hours
Sony SUM-3 (NS)	Approx. 1 hours
Sony alcaline AM3 (N)	Approx. 5.5 hours
Rechargeable NC-6WM with Sony alcaline AM3 (N)	Approx. 7 hours

For maximum performance we recommend the use of alkaline batteries.

Dimensions	Approx. 79.7 × 110.2 × 29.1 mm (w/h/d) incl. projecting parts and controls
Weight	Approx. 235 g incl. rechargeable battery, not incl. other accessories
Accessories supplied	Battery case (1) Rechargeable battery (1) Battery charger (1) Stereo headphones with remote controller (1) Plug adaptor (1) AC plug adaptor (1) (except for European models): if the plug of the charger does not suit your wall outlet, attach it. Sheet for stereo unimatch plug (1) Carrying case (1)

Note on the AC power adaptor

Use only the AC-E15L AC power adaptor (not supplied). Do not use any other AC power adaptor.

Design and specifications subject to change without notice.

Polarity of the plug

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
"DOLBY" and the double-D symbol ⧈ are trademarks of Dolby Laboratories Licensing Corporation.

STEREO CASSETTE PLAYER

SONY®

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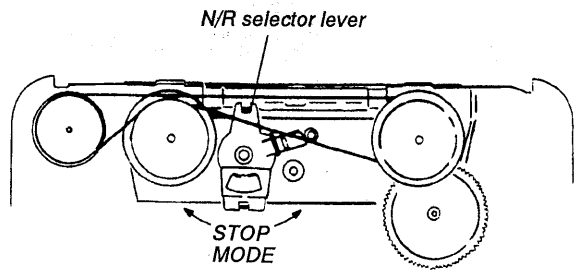
SECTION 1
SERVICING NOTE

This set detects reel rotation by PH701 (photo sensor). Reel rotation cannot be detected when the main board is removed, because PH701 is mounted on the main board. As a result, the auto-off circuit and tape end detection will misoperate. And, up and down of head and power supply of playback circuit cannot operate when the main board is removed, because S703 (head switch) is mounted to the main board (S703 is linked to on and off of the plunger solenoid.)

Therefore, operation check of the mechanism deck and voltage check can be performed by the method shown below.

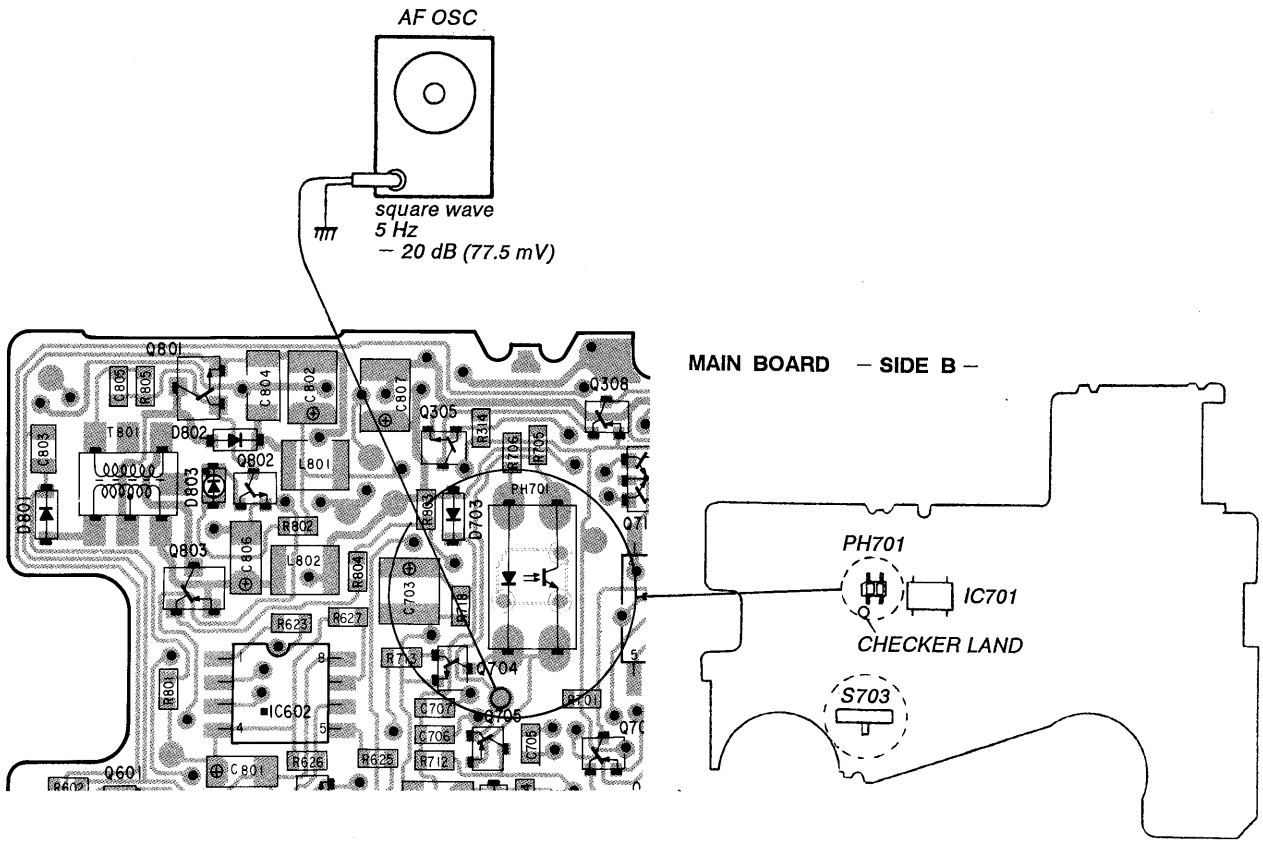


FF/REW mode

1) Switch position S703: STOP (Center)
2) Apply the square or sine wave signal to the PH701.
3) Press the ◀◀ or ▶▶ key.

PLAY mode

1) Switch position S703: STOP (Center)
2) Apply the square or sine wave signal to the PH701.
3) Press the ▶ key.
4) Turn on S703 to FWD or REV mode according to the timing of N/R selection lever movement.

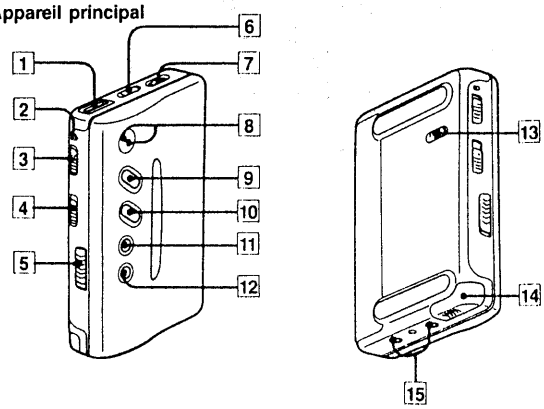


SECTION 2
GENERAL

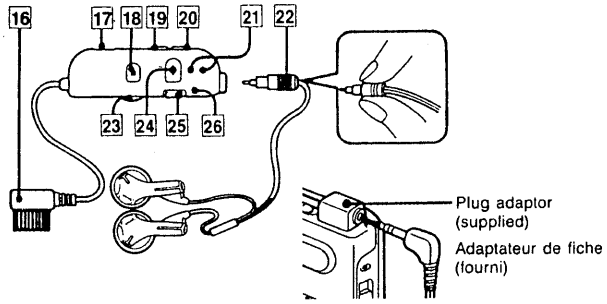
This section is extracted from instruction manual.

B Parts Identification Nomenclature

Unit
Appareil principal



Remote controller
Télécommande



About the remote controller

- The supplied headphones are detachable from the remote controller. If they are accidentally detached, plug in the micro plug to the remote controller as illustrated in the illustration [B].
- The supplied remote controller is to be used only with this unit.
- This unit cannot be operated with earphones or headphones supplied to other models though they may have same plugs as that of the remote controller supplied to this unit. Also, other models cannot be operated with the remote controller supplied to this unit. (But the sound can be heard in either case.)
- To prevent the wires inside the cord from breaking, avoid bending the earphones cord. When connecting or disconnecting the earphones, be sure to hold the plug as illustrated.

- Be sure to plug in the micro plug firmly, never pull it by the cord in order to detach it from the remote controller.

Parts Identification (See Illustration B .)

Unit

1. PHONES/REMOTE jack
   When connecting a separately bought headphones, use the supplied plug adaptor with the jack as illustrated in the illustration [B].
2. HOLD indicator
3. HOLD switch
   Slide this switch to the direction of the arrow to lock the operation buttons on the unit to prevent the accidental touch.
4. DOLBY NR (C/B/OFF) selector
5. OPEN switch
6. EX DBB (Mega bass) selector
7. VOL (volume) control
8. SIDE A/B•BATT (tape playback side/battery) indicator
9. ◄► PLAY/DIR (playback/tape transport direction change) button
10. ■ STOP button
11. FF/AMS (fast-forward/AMS) button
12. REW/AMS (rewind/AMS) button
13. MODE ⇄ • ⇆ (tape transport mode) selector
14. Battery compartment (for a rechargeable battery)
15. Battery case connecting points

Remote controller

16. 9-polo plug
17. A•V•L•S (Automatic•Volume•Limiter•System) switch
18. ■ (stop) button
19. REW (rewind/AMS) button
20. FF (fast-forward/AMS) button
21. SIDE A/B•battery (tape playback side/battery) indicator
22. Micro plug
23. VOL (volume) control
24. ◄► (playback/tape transport direction change) button
25. HOLD switch
    Slide this switch to the direction of the arrow to lock the operation buttons on the remote controller to prevent the accidental touch.
26. HOLD indicator

SECTION 3
DISASSEMBLY

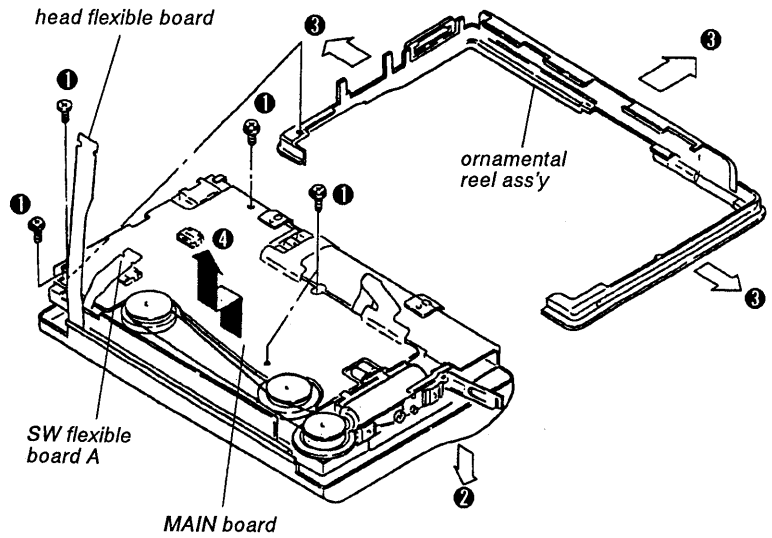
MAIN BOARD REMOVAL

Remove screws.

❷ Open the cassette lid.

❸ Remove the ornamental reel ass'y in the arrow direction.

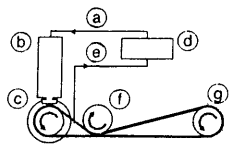
❹ Remove the MAIN board in the arrow detection.



Anti-rolling mechanism

The use of the high quality DD (disc drive) system with the new pencil type motor and the special rotor with the FG (frequency generator) mechanism enables the unit to quickly respond to the vibration from outside so that the highest standard of anti-rolling mechanism can be maintained.

ⓐ Servomechanism signal
ⓑ Motor
ⓒ Rotor
ⓓ Servomechanism circuit
ⓔ FG signal
ⓕ Capstan wheel (RVS)
ⓖ Capstan wheel (FWD)



SECTION 4
ADJUSTMENTS

4-1. MECHANICAL ADJUSTMENTS

BEFORE THE ADJUSTMENT

1. Clean the following parts with a denatured-alcohol-moistened swab:
   playback head rubber belts
   capstan idlers
   pinch roller
2. Demagnetize the playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage (1.3 V) unless otherwise noted.

Torque Measurement

Mode	Torque meter	Meter reading
FWD	CQ-102D	20 – 40 g•cm (0.28 – 0.55 oz•inch)
FWD Back Tension		1.0 – 3.5 g•cm (0.02 – 0.04 oz•inch)
REV	CQ-102RC	20 – 40 g•cm (0.28 – 0.55 oz•inch)
REV Back Tension		1.0 – 3.5 g•cm (0.02 – 0.04 oz•inch)
FF	CQ-201B	more than 50 g•cm (more than 0.70 oz•inch)
REW		more than 50 g•cm (more than 0.70 oz•inch)

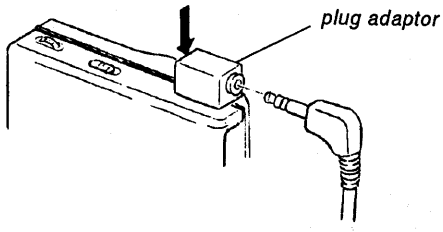
Tape Tension Measurement

Mode	Torque meter	Meter reading
FWD	CQ-403A	more than 50 g
REV	CQ-403R	more than 50 g

4-2. ELECTRICAL ADJUSTMENTS

BEFORE THE ADJUSTMENT

1. Rated Power Supply Voltage: 1.3 V
2. Switch Position
   DOLBY NR switch: OFF
   EX DBB switch: NORM
3. Output: Headphones jack of the supplied plug adaptor (Part No. 1-691-322-11) as accessory connected to the ear receiver remote control jack.

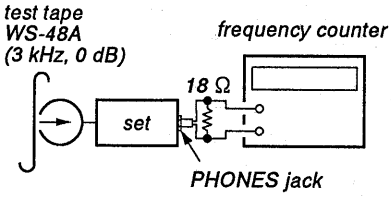


TAPE SPEED ADJUSTMENT

TEST TAPE

Typ	Signal	Used for
WS-48A	3 kHz, 0 dB	Tape Speed Adjustment

Procedure:

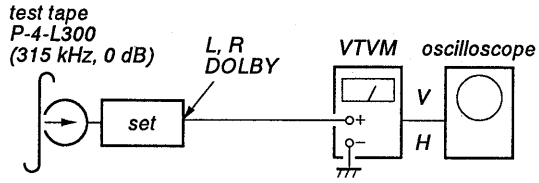


1. Unsolder TAP LAND on Pin ⑤ of IC602.
2. Play back WS-48A (tape center portion) in FWD mode. Adjust RV601 so that the frequency counter reads 3,080 ± 15 Hz.
3. Bridge TAP LAND by soldering and adjust RV602 so that the frequency counter reads 3,000 ± 10 Hz.
4. Play back WS-48A (tape center porton) in REV mode. Confirm that the reading of frequency counter is within 2.5% from the reading in step 3.

DOLBY LEVEL ADJUSTMENT

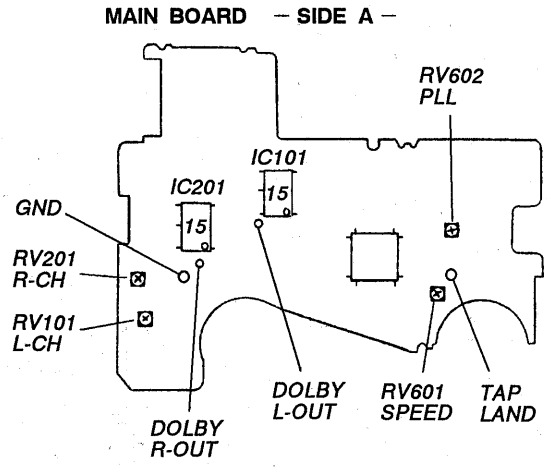
DOLBY NR switch : OFF
VOL control : Minimum
EX DBB switch : NORM

Procedure:



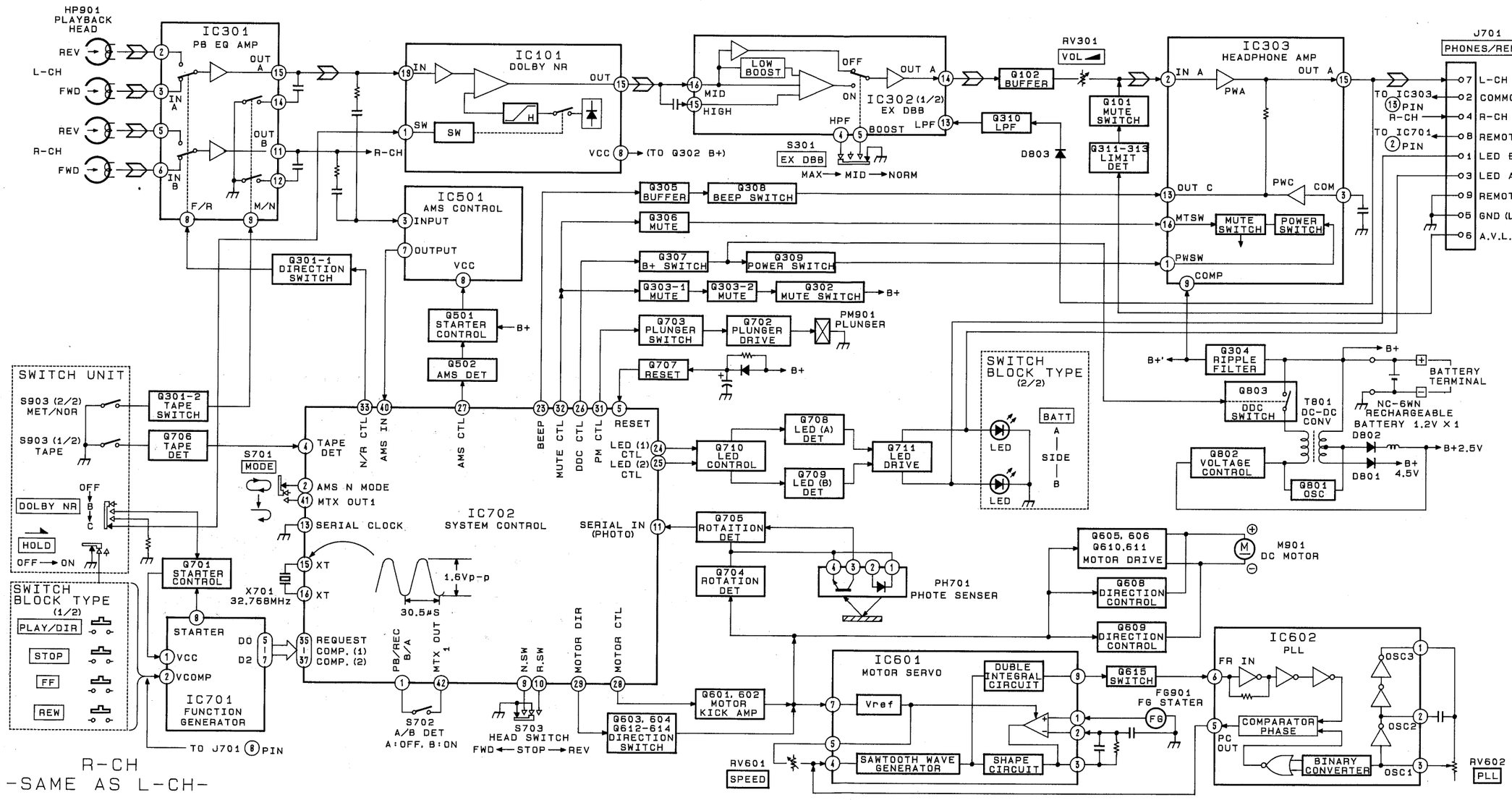
1. FWD Playback Mode
2. Adjust RV101 (L-CH) and RV201 (R-CH) so that the VTVM reading becomes − 26.6 ± 1.0 dB.
3. Confirm that REV playback mode.
4. Phase check: Equal

ADJUSTING PARTS LOCATION



SECTION 5
DIAGRAMS

5-1. BLOCK DIAGRAM



5-2. PRINTED WIRING BOARD

Note on Schematic Diagram:

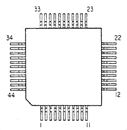
- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- B+ : B + Line.
- : adjustment for repair.
- Total current is measured with no cassette installed.
- Power voltage is dc 1.3 V and fed with regulated dc power supply from external power voltage jack.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- ▶ : FWD ◀ : REV ■ : STOP
  ▶▶ : FF ◀◀ : REW : REC
- Voltages are taken with a VOM (10 MΩ/V).
  Voltage variations may be noted due to normal production tolerances.
  Wavefroms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Signal path.
  : PB

Note on Printed Wiring Board:

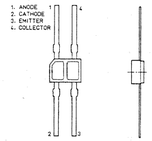
- ■ : parts mounted on the conductor side.
- : Through hole.
- : Jumper wire connected to the ground pattern on the component side.
- : Pattern on the side which is seen.
- : Pattern of the rear side.
- : Chip components extracted from the rear side.

Semiconductor Lead Layouts

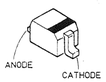
MSM-6575-CFX1093



NJL5161K-F10-B



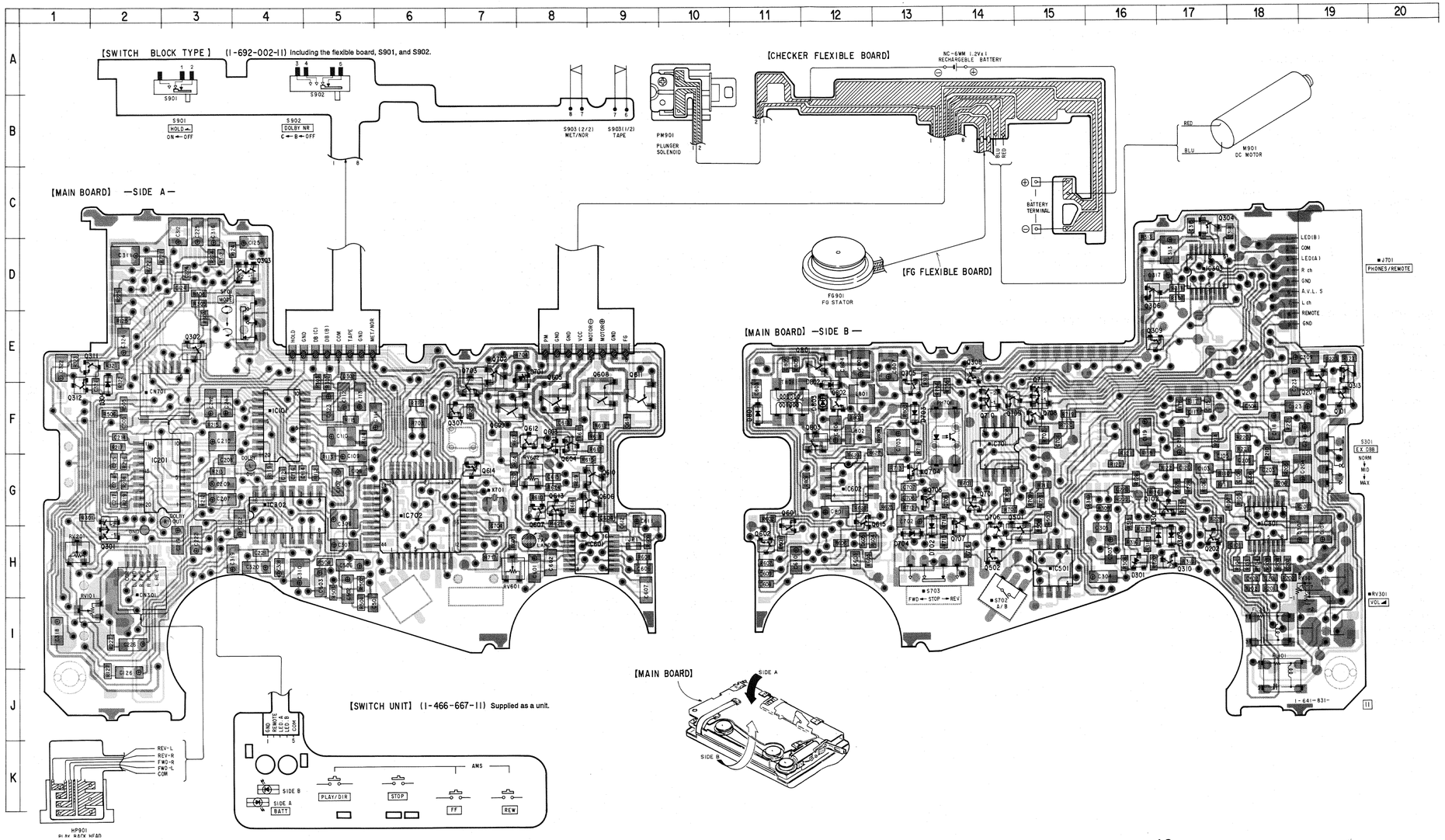
MA110
MA729

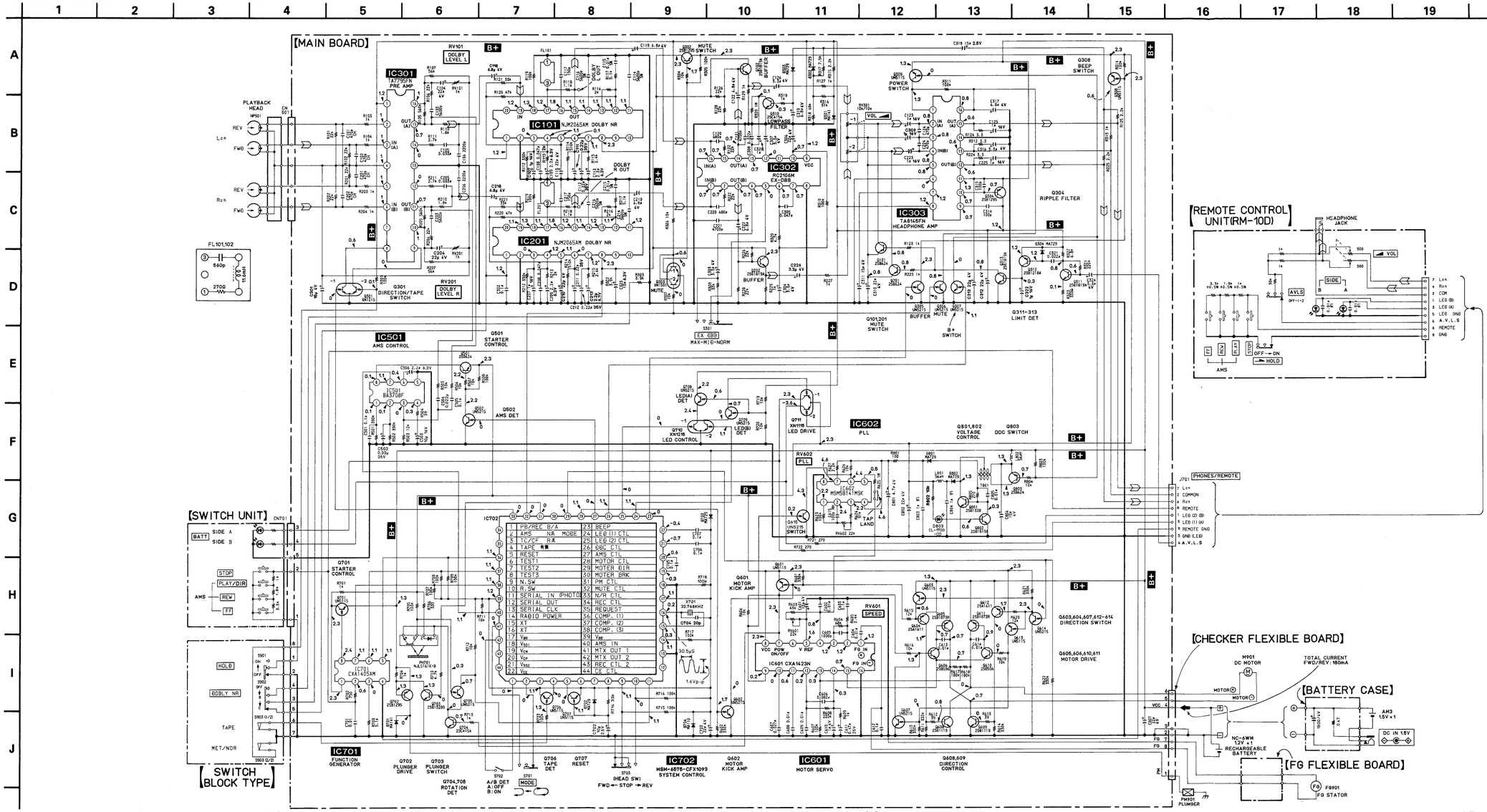


CL-70G-CD

• Semiconductor Location

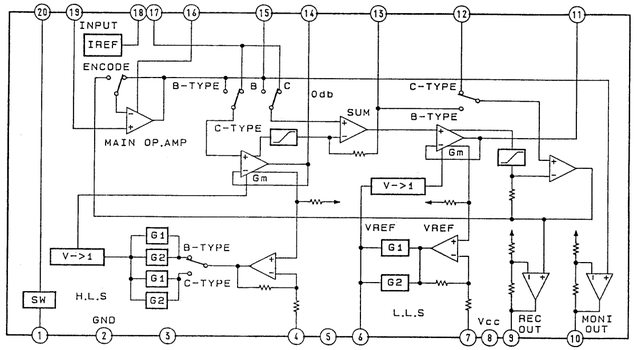
Ref. No.	Location
D301	H-16
D302	H-16
D303	H-17
D304	F-2
D701	E-8
D702	H-13
D703	F-13
D704	H-13
D801	F-11
D802	F-12
D803	F-12
IC101	F-4
IC201	G-2
IC301	H-18
IC302	G-4
IC303	D-17
IC501	H-15
IC601	H-8
IC602	G-12
IC701	F-14
IC702	G-6
PH701	F-13
Q101	F-19
Q102	G-17
Q201	F-19
Q202	H-17
Q301	H-2
Q302	E-3
Q303	D-4
Q304	C-17
Q305	F-13
Q306	D-16
Q307	F-7
Q308	E-14
Q309	E-16
Q310	H-17
Q311	E-2
Q312	F-1
Q313	E-19
Q501	H-14
Q502	H-14
Q601	G-11
Q602	H-11
Q603	F-8
Q604	F-8
Q605	F-8
Q606	G-8
Q607	G-8
Q608	F-9
Q609	F-7
Q610	G-9
Q611	F-9
Q612	F-8
Q613	G-8
Q614	G-7
Q615	G-12
Q701	G-14
Q702	E-7
Q703	F-7
Q704	G-13
Q705	G-13
Q706	H-14
Q707	H-14
Q708	F-15
Q709	F-14
Q710	F-14
Q711	F-15
Q801	E-12
Q802	F-12
Q803	F-12



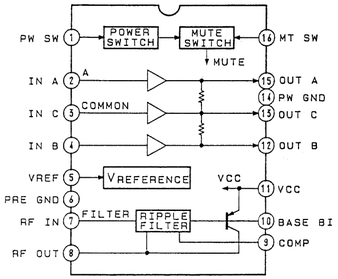

[MAIN BOARD]
[SWITCH UNIT]
[REMOTE CONTROL UNIT(RM-10D)]
[CHECKER FLEXIBLE BOARD]
[BATTERY CASE]
[FG FLEXIBLE BOARD]
[SWITCH BLOCK TYPE]
IC301 TA7795N PRE AMP
IC101 NJM2065AM DOLBY NR
IC201 NJM2065AM DOLBY NR
IC302 NC2106M EX-CBB
IC303 TA8145FN HEADPHONE AMP
IC501 AMS CONTROL
IC602 PLL
IC701 FUNCTION GENERATOR
IC702 MSM-6675-CFX1093 SYSTEM CONTROL
IC601 MOTOR SERVO
IC1401 CXA1405AM
IC1601 CXA1423N
PLAYBACK HEAD
DIRECTION/TAPE SWITCH
DOLBY LEVEL L
DOLBY LEVEL R
MUTE SWITCH
POWER SWITCH
BEEP SWITCH
RIPPLE FILTER
LOW-PASS FILTER
BUFFER
HEADPHONE MUTE
B+ SWITCH
LIMIT DET
MUTE SWITCH
STARTER CONTROL
AMS DET
LED(A) DET
LED(B) DET
LED CONTROL
LED DRIVE
VOLTAGE CONTROL
DDC SWITCH
TAP LAND
MOTOR KICK AMP
SPEED
DIRECTION SWITCH
MOTOR DRIVE
PLUNGER DRIVE
PLUNGER SWITCH
ROTATION DET
TAPE DET
RESET
MOTOR KICK AMP
DIRECTION CONTROL
A/B DET A:OFF B:ON
MODE
HEAD SW FWD←STOP→REV
HEADPHONE JACK
VOL
SIDE A B
AVLS OFF-1-2
FF REW PLAY STOP
OFF→ON HOLD
AMS
PHONES/REMOTE
DC IN 1.5V
AM3 1.5V×1
NC-6WM 1.2V×1 RECHARGEABLE BATTERY
M901 DC MOTOR
TOTAL CURRENT FWD/REV: 180mA
FM901 PLUNGER
FG901 FG STATOR
BATT SIDE A SIDE B
STOP PLAY/DIR AMS REW FF
HOLD DOBLY NR TAPE MET/NOR
REV FWD Lch Rch
FL101,102
660p 270Ω 15.4MHz
B+
1 PB/REC B/A
2 AMS NR MODE
3 TC/CF R/A
4 TAPE
5 RESET
6 TEST1
7 TEST2
8 TEST3
9 N.SW
10 R.SW
11 SERIAL IN (PHOTO)
12 SERIAL OUT
13 SERIAL CLK
14 RADIO POWER
15 XT
16 XT
17 VDD
18 VSS1
19 VCK
20 VCP
21 VSS2
22 VSS
23 BEEP
24 LED(1) CTL
25 LED(2) CTL
26 DDC CTL
27 AMS CTL
28 MOTOR CTL
29 MOTER DIR
30 MOTER BRK
31 PM CTL
32 MUTE CTL
33 N/R CTL
34 REC CTL
35 REQUEST
36 COMP. (1)
37 COMP. (2)
38 COMP. (3)
39 VDD
40 AMS IN
41 MTX OUT 1
42 MTX OUT 2
43 REC CTL 2
44 CE CTL
Lch COMMON Rch REMOTE LED (2) (B) LED (1) (A) REMOTE GND LED GND A.V.L.S
7 Lch 6 Rch 5 COM 4 LED (B) 3 LED (A) 2 LED GND 1 A.V.L.S 9 REMOTE 8 GND
VCC FG FG PM

IC Block Diagram

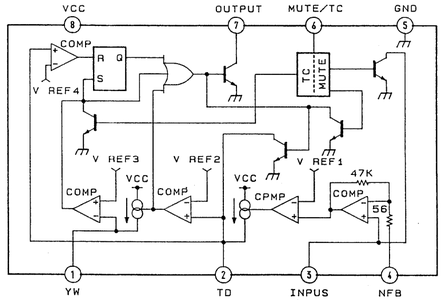
IC101, 201 NJM2065AM



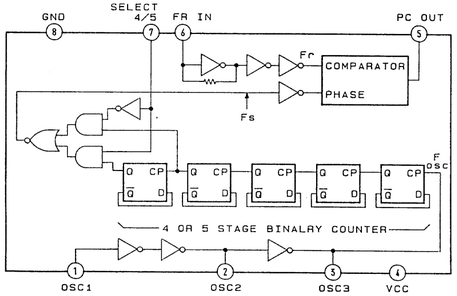
IC303 TAB145FN



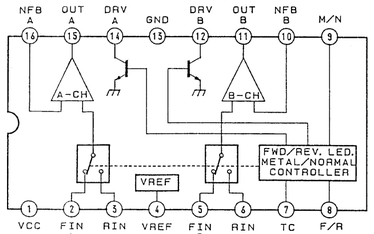
IC501 BA3708F



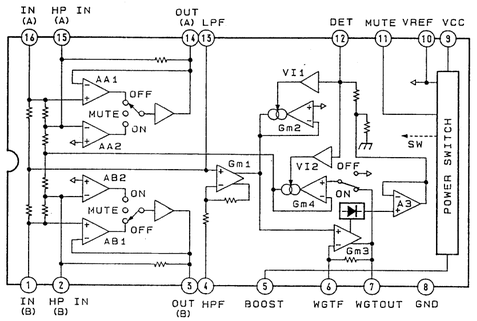
IC602 MSM58141MSK



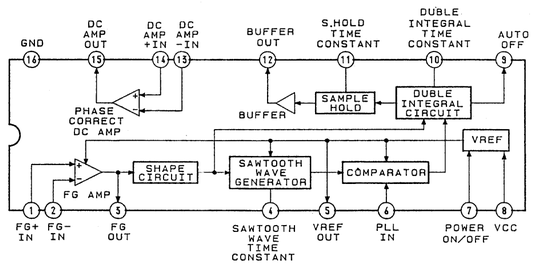
IC301 TA7795FN



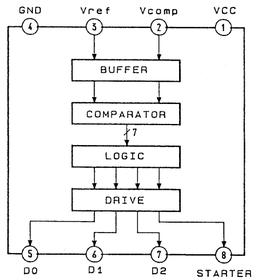
IC302 NJM2106M



IC601 CXA1423N



IC701 CXA1405M



SECTION 6
EXPLODED VIEWS

NOTE:

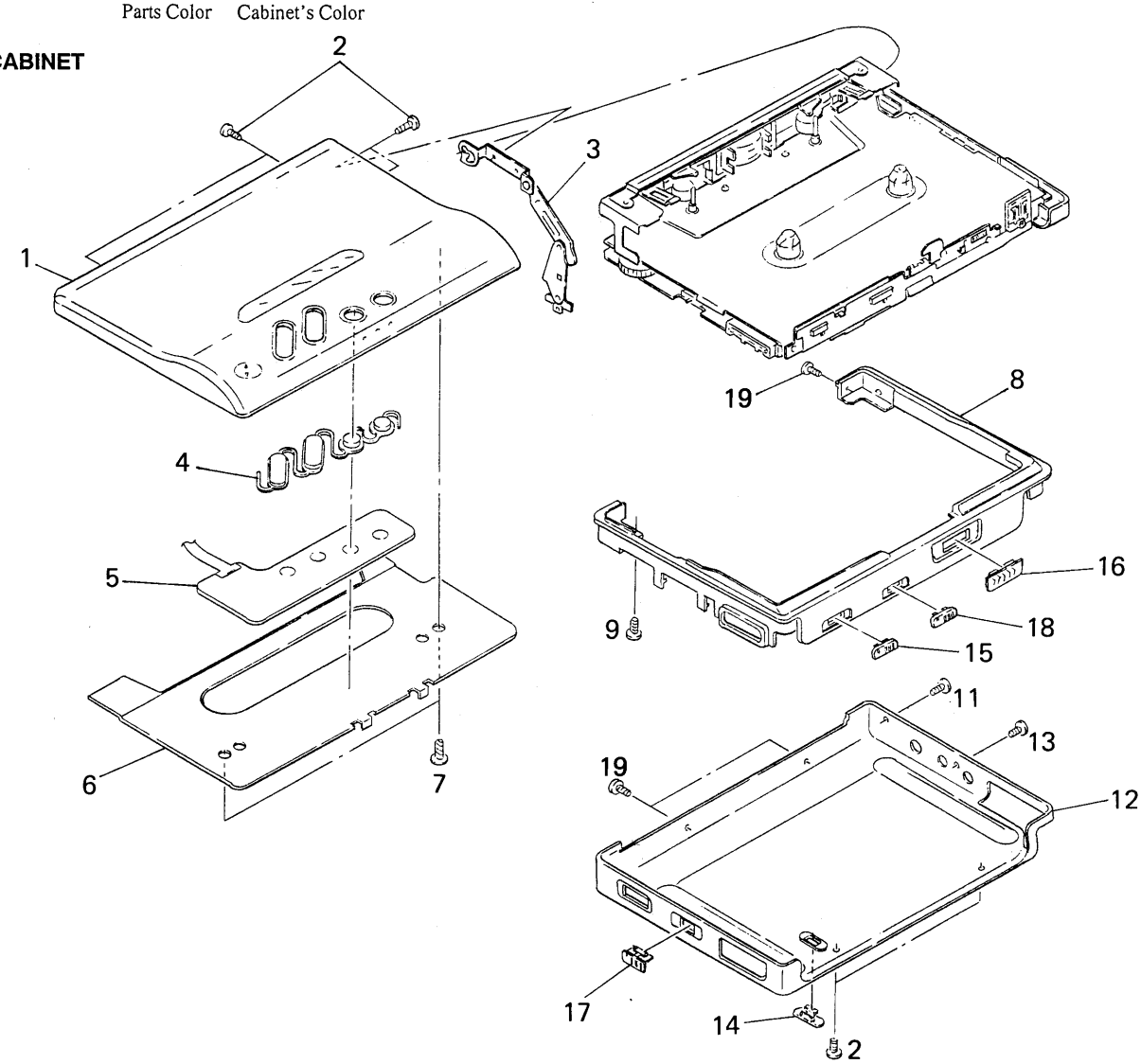
-XX and -X mean standardized parts, so they may have some difference from the original one.

- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color

Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

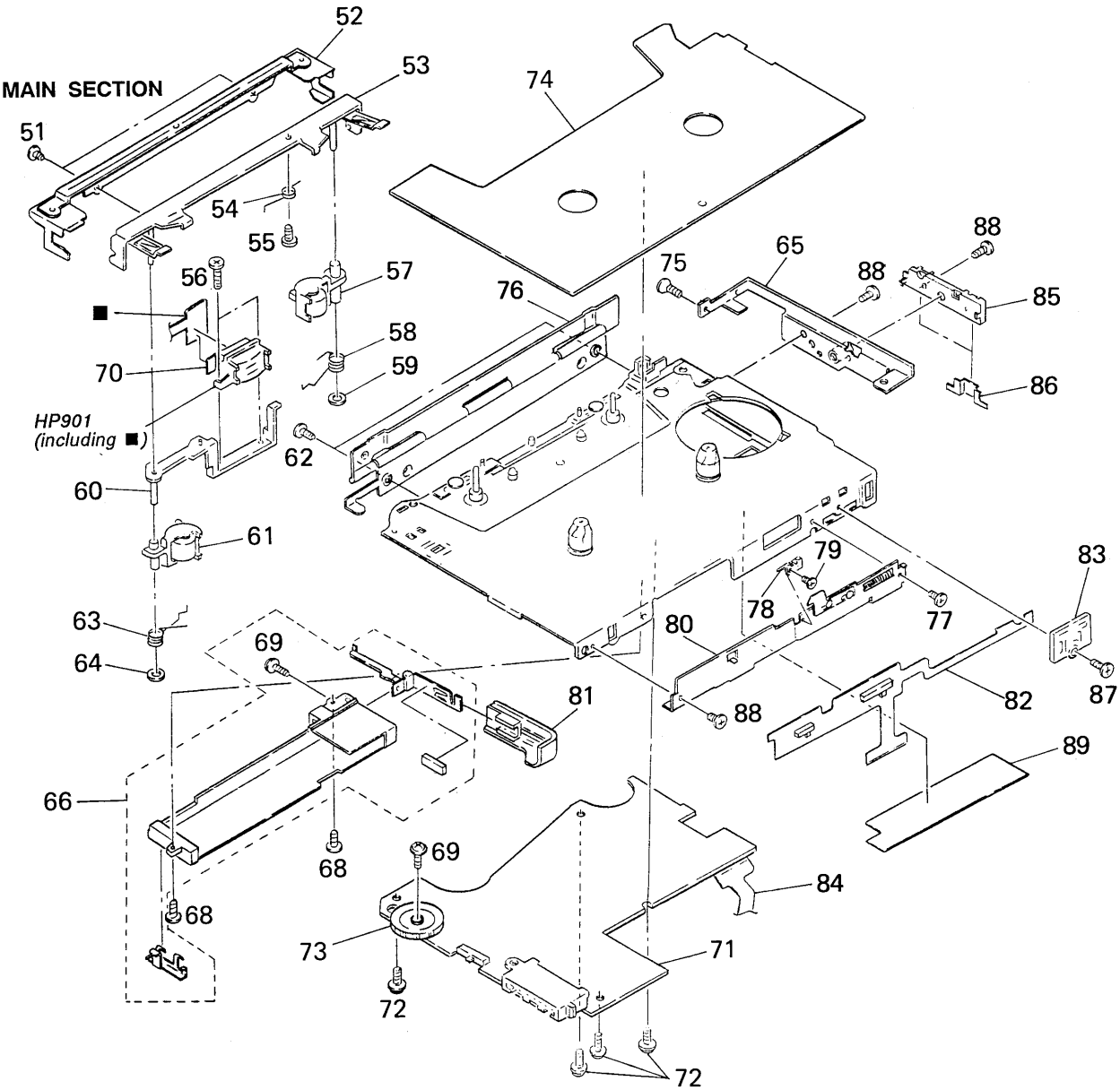
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is given in the last of this parts list.
- JE: Tourist model

(1) CABINET



Ref. No.	Part No.	Description	Remark
1	X-3364-450-1	CASSETTE LID (B) ASSY (BLACK) (JE)	
1	X-3364-777-1	CASSETTE LID (E-B) ASSY (BLACK) (AEP, E)	
1	X-3364-778-1	CASSETTE LID (E-H) ASSY (GRAY) (E)	
2	3-704-197-13	SCREW M1.4X2.0 (BLACK)	
2	3-704-197-11	SCREW M1.4X2.0 (GRAY)	
3	X-3364-453-1	CLICK ARM ASSY	
4	3-375-219-01	BUTTON (MD)	
5	1-466-667-11	SWITCH UNIT	
6	3-375-217-01	COVER (CASSETTE)	
7	3-355-424-81	SPECIAL HEAD TAPPING SCREW (PLASTIC)	
8	X-3364-452-1	ORNAMENTAL REEL ASSY	
9	3-704-197-22	SCREW M1.4X2.5	
11	3-704-197-51	SCREW M1.4X3.5 (GRAY)	
11	3-704-197-53	SCREW M1.4X3.5 (BLACK)	
12	X-3364-454-1	CASE (B) ASSY (BLACK) (JE)	
12	X-3364-779-1	CASE (E-B) ASSY (BLACK) (AEP, E)	
12	X-3364-780-1	CASE (E-H) ASSY (GRAY) (E)	
13	3-704-197-81	SCREW M1.4X5.0 (GRAY)	
13	3-704-197-82	SCREW M1.4X5.0 (BLACK)	
14	3-375-227-01	KNOB (MODE)	
15	3-375-252-01	KNOB (HOLD)	
16	3-375-247-01	KNOB (OPEN)	
17	3-375-226-01	KNOB (DBB)	
18	3-375-248-01	KNOB (DOLBY)	
19	3-704-197-12	SCREW M1.4X2.0	

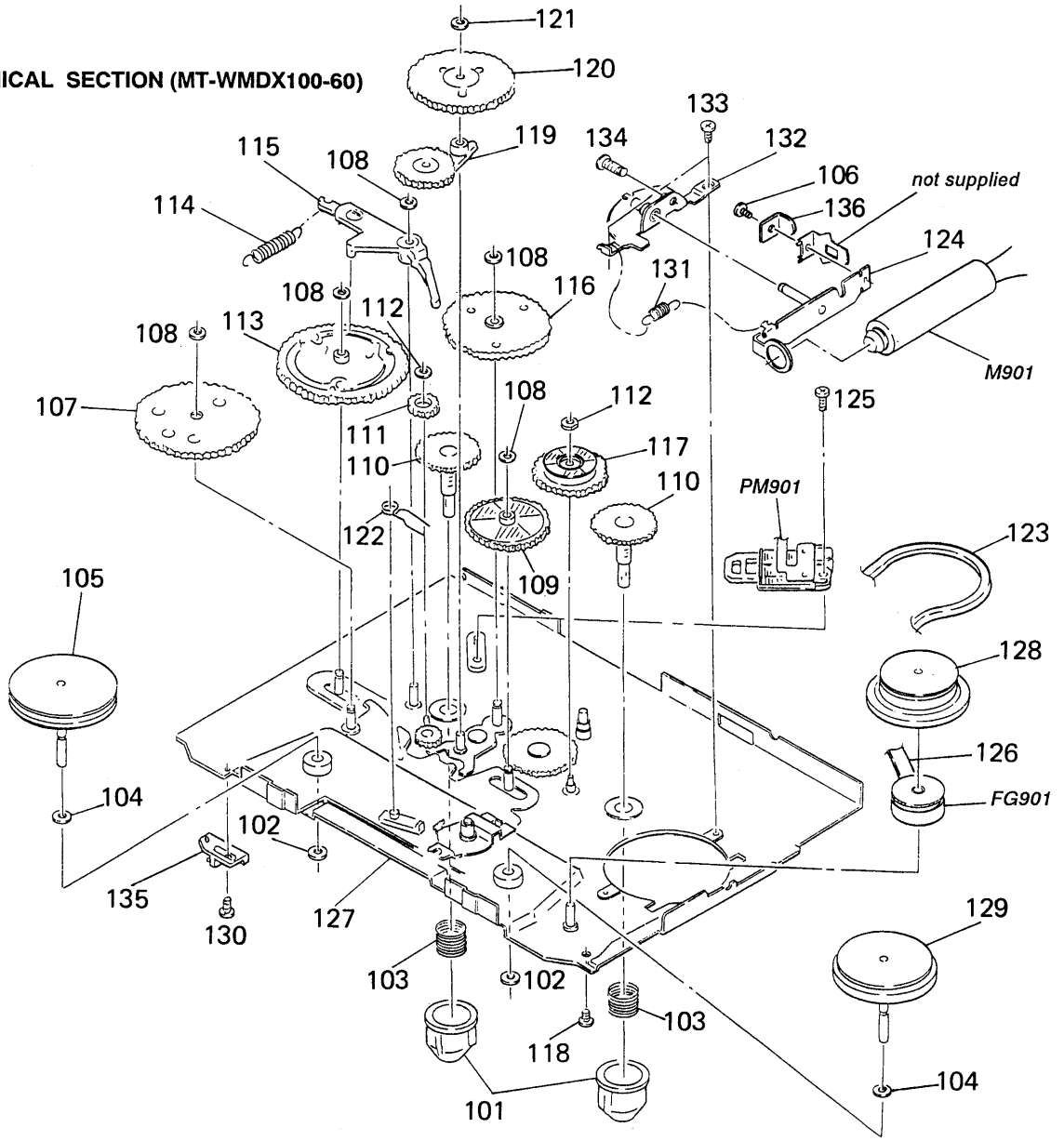
(2) MAIN SECTION



Ref.No.	Part No.	Description	Remark
51	3-349-825-51	SCREW, PRECISION	
52	X-3364-518-1	HOLDER ARM ASSY	
53	X-3362-561-1	HOLDER ASSY	
54	3-365-769-01	SPRING (H)	
55	7-627-553-17	SCREW, PRECISION +P 2X2 TYPE 3	
56	3-704-252-21	SCREW M1.4X3.8	
57	X-3362-559-1	PINCH LEVER (N) ASSY	
58	3-365-761-11	SPRING (P-N)	
59	3-349-859-01	WASHER	
60	3-365-797-01	HEAD LEVER	
61	X-3362-560-1	PINCH LEVER (R) ASSY	
62	3-704-197-12	SCREW M1.4X2.0	
63	3-365-762-12	SPRING (P-R)	
64	3-349-859-11	WASHER	
65	X-3364-458-1	BRACKET (U-D) ASSY	
66	X-3364-460-1	BATTERY HOLDER ASSY	
67	3-358-455-01	PRECISION WASHER HEAD SCREW	
68	3-704-197-22	SCREW M1.4X2.5	
69	3-345-648-01	TOOTHED SCREW (M1.4X3.0)	
70	3-338-667-01	SHEET, ADHESIVE	

Ref.No.	Part No.	Description	Remark
71	A-3016-146-A	MAIN BOARD ASSY	
72	3-335-797-01	TOOTHED SCREW (M1.4X2)	
73	3-375-233-01	KNOB (VOL)	
74	3-375-232-01	MD COVER	
75	7-627-451-07	SCREW, PRECISION +K 1.4X1.6 TYPE 1	
76	X-3364-456-1	HINGE ASSY	
77	3-366-892-01	SCREW M1.4X1.1	
78	3-365-615-01	SPRING, CASSETTE RETAINER	
79	3-365-611-15	SCREW M1.4X1.4	
* 80	X-3364-457-1	BRACKET A ASSY	
81	3-375-249-01	LID, BATTERY CASE (BLACK)	
81	3-375-249-11	LID, BATTERY CASE (GRAY)	
82	1-692-002-11	SWITCH (BLOCK TYPE)	
83	1-572-580-11	LEAF SWITCH	
84	1-641-653-11	CHECKER FLEXIBLE BOARD	
85	3-375-238-01	TERMINAL BOARD (CONTACT)	
86	3-375-239-01	CONTACT A	
87	3-376-407-01	SCREW M1.4X1.1	
88	3-704-197-02	SCREW M1.4X1.6	
89	3-375-246-01	SHEET (INSULATOR A)	
HP901	1-543-859-11	HEAD, MAGNETIC (PB)	

(3) MECHANICAL SECTION (MT-WMDX100-60)



Ref. No.	Part No.	Description	Remark
101	3-365-801-01	TABLE, REEL	
102	3-331-007-21	WASHER	
103	3-366-058-01	SPRING, COMPRESSION	
104	3-354-407-11	WASHER	
105	X-3364-575-1	WHEEL (U-N) ASSY, CAPSTAN	
106	3-704-197-02	SCREW M1.4X1.6	
107	3-365-755-01	GEAR (K)	
108	3-349-859-11	WASHER	
109	X-3362-553-1	GEAR (B) ASSY	
110	3-365-750-01	GEAR (REEL)	
111	3-365-783-01	GEAR (E)	
112	3-361-258-01	BUSHING (A)	
113	3-365-800-01	CAM GEAR	
114	3-365-766-01	SPRING(TRIGGER), TENSION	
115	3-365-802-01	TRIGGER LEVER (A)	
116	X-3362-554-1	CLUTCH ASSY	
117	X-3364-580-1	GEAR (U-A) ASSY	
118	3-704-260-21	SCREW WITH STEP M1.4X1.1 C	
119	X-3362-555-1	FR ASSY	
120	3-365-754-01	GEAR (M)	

Ref. No.	Part No.	Description	Remark
121	3-349-859-51	WASHER	
122	3-365-785-01	SPRING (NR SELECTION)	
123	3-375-920-01	BELT	
124	X-3364-578-1	BRACKET (U-B) ASSY	
125	3-366-521-51	SCREW M1.4X3.5	
126	1-641-872-11	FG FLEXIBLE BOARD	
127	X-3364-579-1	CHASSIS (U) ASSY	
128	X-3364-574-1	FG ROTOR ASSY	
129	X-3364-576-1	WHEEL (U-R) ASSY, CAPSTAN	
130	3-704-197-21	SCREW M1.4X2.5	
131	3-375-931-01	SPRING, TENSION	
132	X-3364-577-1	BRACKET (U-A) ASSY	
133	3-366-892-01	SCREW M1.4X1.1	
134	3-375-928-01	SCREW, ADJUSMENT	
135	3-365-789-01	HOLDER GUIDE (N)	
136	3-376-909-01	RETAINER	
FG901	1-462-302-11	FG STATOR	
M901	1-541-916-11	DC MOTOR	
PM901	1-454-529-11	SOLENOID, PLUNGER	

MAIN

SECTION 7
ELECTRICAL PARTS LIST

NOTE:

Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.

-XX and -X mean standardized parts, so they may have some difference from the original one.

RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F: nonflammable

Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- SEMICONDUCTORS
  In each case, u: μ, for example:
  uA...: μA..., uPA...: μPA...,
  uPB...: μPB..., uPC...: μPC...,
  uPD...: μPD...
- CAPACITORS
  uF: μF
- COILS
  uH: μH

Ref. No.	Part No.	Description			Remark
	A-3016-146-A	MAIN BOARD, COMPLETE			
		**********			
	3-345-648-01	TOOTHED SCREW (M1.4X3.0)			
	3-375-233-01	KNOB (VOL)			
		< CAPACITOR >			
C101	1-162-962-11	CERAMIC CHIP 470PF	10%	50V	
C102	1-162-962-11	CERAMIC CHIP 470PF	10%	50V	
C103	1-164-479-11	CERAMIC CHIP 0.0056uF	10%	50V	
C104	1-135-202-21	TANTAL, CHIP 22uF	20%	4V	
C105	1-164-482-11	CERAMIC CHIP 0.033uF	10%	16V	
C106	1-162-966-11	CERAMIC CHIP 0.0022uF	10%	50V	
C107	1-135-091-00	TANTAL, CHIP 1uF	20%	16V	
C108	1-163-035-00	CERAMIC CHIP 0.047uF		50V	
C109	1-135-149-21	TANTAL, CHIP 2.2uF	20%	10V	
C110	1-135-202-21	TANTAL, CHIP 22uF	20%	4V	
C111	1-135-072-21	TANTAL, CHIP 0.22uF	10%	35V	
C112	1-135-072-21	TANTAL, CHIP 0.22uF	10%	35V	
C113	1-135-149-21	TANTAL, CHIP 2.2uF	20%	10V	
C114	1-164-172-11	CERAMIC CHIP 0.0056uF	5%	25V	
C115	1-162-970-11	CERAMIC CHIP 0.01uF	10%	25V	
C116	1-164-172-11	CERAMIC CHIP 0.0056uF	5%	25V	
C117	1-162-955-11	CERAMIC CHIP 150PF	5%	50V	
C118	1-135-170-21	TANTAL, CHIP 6.8uF	20%	4V	
C119	1-135-170-21	TANTAL, CHIP 6.8uF	20%	4V	
C120	1-162-963-11	CERAMIC CHIP 680PF	10%	50V	
C121	1-162-968-11	CERAMIC CHIP 0.0047uF	10%	50V	
C122	1-135-170-21	TANTAL, CHIP 6.8uF	20%	4V	
C123	1-135-091-00	TANTAL, CHIP 1uF	20%	16V	
C124	1-162-962-11	CERAMIC CHIP 470PF	10%	50V	
C125	1-135-091-00	TANTAL, CHIP 1uF	20%	16V	
C126	1-135-180-21	TANTAL, CHIP 3.3uF	20%	6.3V	
C201	1-162-962-11	CERAMIC CHIP 470PF	10%	50V	
C202	1-162-962-11	CERAMIC CHIP 470PF	10%	50V	
C203	1-164-479-11	CERAMIC CHIP 0.0056uF	10%	50V	
C204	1-135-202-21	TANTAL, CHIP 22uF	20%	4V	
C205	1-164-482-11	CERAMIC CHIP 0.033uF	10%	16V	
C206	1-162-966-11	CERAMIC CHIP 0.0022uF	10%	50V	
C207	1-135-091-00	TANTAL, CHIP 1uF	20%	16V	
C208	1-163-035-00	CERAMIC CHIP 0.047uF		50V	
C209	1-135-149-21	TANTAL, CHIP 2.2uF	20%	10V	
C210	1-135-202-21	TANTAL, CHIP 22uF	20%	4V	
C211	1-135-072-21	TANTAL, CHIP 0.22uF	10%	35V	
C212	1-135-072-21	TANTAL, CHIP 0.22uF	10%	35V	
C213	1-135-149-21	TANTAL, CHIP 2.2uF	20%	10V	
C214	1-164-172-11	CERAMIC CHIP 0.0056uF	5%	25V	
C215	1-162-970-11	CERAMIC CHIP 0.01uF	10%	25V	
C216	1-164-172-11	CERAMIC CHIP 0.0056uF	5%	25V	
C217	1-162-955-11	CERAMIC CHIP 150PF	5%	50V	
C218	1-135-170-21	TANTAL, CHIP 6.8uF	20%	4V	
C219	1-135-170-21	TANTAL, CHIP 6.8uF	20%	4V	
C220	1-162-963-11	CERAMIC CHIP 680PF	10%	50V	
C221	1-162-968-11	CERAMIC CHIP 0.0047uF	10%	50V	
C222	1-135-170-21	TANTAL, CHIP 6.8uF	20%	4V	
C223	1-135-091-00	TANTAL, CHIP 1uF	20%	16V	
C224	1-162-962-11	CERAMIC CHIP 470PF	10%	50V	
C225	1-135-091-00	TANTAL, CHIP 1uF	20%	16V	
C226	1-135-180-21	TANTAL, CHIP 3.3uF	20%	6.3V	
C301	1-135-158-21	TANTAL, CHIP 15uF	20%	4V	
C302	1-164-156-11	CERAMIC CHIP 0.1uF		25V	
C303	1-135-180-21	TANTAL, CHIP 3.3uF	20%	6.3V	
C304	1-135-180-21	TANTAL, CHIP 3.3uF	20%	6.3V	
C305	1-163-035-00	CERAMIC CHIP 0.047uF		50V	
C306	1-135-202-21	TANTAL, CHIP 22uF	20%	4V	
C307	1-135-180-21	TANTAL, CHIP 3.3uF	20%	6.3V	
C308	1-163-037-11	CERAMIC CHIP 0.022uF	10%	25V	
C309	1-135-091-00	TANTAL, CHIP 1uF	20%	16V	
C310	1-135-202-21	TANTAL, CHIP 22uF	20%	4V	
C311	1-135-158-21	TANTAL, CHIP 15uF	20%	4V	
C312	1-135-202-21	TANTAL, CHIP 22uF	20%	4V	
C313	1-135-202-21	TANTAL, CHIP 22uF	20%	4V	
C314	1-162-953-11	CERAMIC CHIP 100PF	5%	50V	
C315	1-162-953-11	CERAMIC CHIP 100PF	5%	50V	
C316	1-135-180-21	TANTAL, CHIP 3.3uF	20%	6.3V	
C317	1-135-170-21	TANTAL, CHIP 6.8uF	20%	4V	
C318	1-135-219-11	TANTAL, CHIP 15uF	20%	2.5V	
C319	1-135-170-21	TANTAL, CHIP 6.8uF	20%	4V	

Ref.No.	Part No.	Description			Remark
C320	1-135-091-00	TANTAL, CHIP	1uF	20%	16V
C321	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C322	1-135-091-00	TANTAL, CHIP	1uF	20%	16V
C323	1-135-201-11	TANTAL, CHIP	10uF	20%	4V
C324	1-135-180-21	TANTAL, CHIP	3.3uF	20%	6.3V
C501	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C502	1-135-073-00	TANTAL, CHIP	0.33uF	10%	35V
C503	1-135-091-00	TANTAL, CHIP	1uF	20%	16V
C504	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C505	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C506	1-135-149-21	TANTAL, CHIP	2.2uF	20%	10V
C601	1-135-201-11	TANTAL, CHIP	10uF	20%	4V
C602	1-137-323-11	FILM CHIP	0.01uF	5%	16V
C603	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C604	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C605	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C606	1-164-345-11	CERAMIC CHIP	0.082uF	10%	25V
C607	1-137-299-11	FILM CHIP	0.027uF	5%	16V
C608	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C609	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C610	1-135-091-00	TANTAL, CHIP	1uF	20%	16V
C611	1-135-145-11	TANTAL, CHIP	0.47uF	10%	35V
C612	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C613	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C614	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C615	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C701	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C702	1-135-219-11	TANTAL, CHIP	15uF	20%	2.5V
C703	1-135-131-11	TANTAL, CHIP	22uF	20%	4V
C704	1-164-113-11	CERAMIC CHIP	20PF	5%	50V
C705	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C706	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C707	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C801	1-135-151-21	TANTAL, CHIP	4.7uF	20%	4V
C802	1-135-202-21	TANTAL, CHIP	22uF	20%	4V
C803	1-164-346-11	CERAMIC CHIP	1uF		16V
C804	1-162-638-11	CERAMIC CHIP	1uF		16V
C805	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C806	1-135-201-11	TANTAL, CHIP	10uF	20%	4V
C807	1-135-202-21	TANTAL, CHIP	22uF	20%	4V
		< CONNECTOR >			
CN301	1-569-252-21	HOUSING, CONNECTOR (FPC) 5P			
CN701	1-569-252-21	HOUSING, CONNECTOR (FPC) 5P			
		< DIODE >			
D301	8-719-820-05	DIODE	MA110		
D302	8-719-420-51	DIODE	MA729		
D303	8-719-420-51	DIODE	MA729		
D304	8-719-420-51	DIODE	MA729		
D701	8-719-820-05	DIODE	MA110		

Ref.No.	Part No.	Description		Remark
D702	8-719-420-51	DIODE	MA729	
D703	8-719-420-51	DIODE	MA729	
D704	8-719-404-46	DIODE	MA110	
D801	8-719-420-51	DIODE	MA729	
D802	8-719-420-51	DIODE	MA729	
D803	8-719-975-06	LED	CL-70G-CD	
		< FILTER >		
FL101	1-239-167-11	COMPOSITION BLOCK (SP-SK FILTER)		
FL201	1-239-167-11	COMPOSITION BLOCK (SP-SK FILTER)		
		< IC >		
IC101	8-759-710-49	IC	NJM2065AM	
IC201	8-759-710-49	IC	NJM2065AM	
IC301	8-759-230-91	IC	TA7795FN	
IC302	8-759-512-77	IC	RC2106M	
IC303	8-759-231-13	IC	TA8145FN	
IC501	8-759-972-70	IC	BA3708F	
IC601	8-752-039-14	IC	CXA1423N	
IC602	8-759-996-71	IC	MSM58141MSK	
IC701	8-752-051-55	IC	CXA1405AM	
IC702	8-759-056-94	IC	MSM-6575-CFX1093	
		< JACK >		
J701	1-573-794-11	JACK (PHONES/REMOTE)		
		< JAMPER >		
JR1	1-216-864-11	METAL CHIP	0 5% 1/16W	
		< COIL >		
L801	1-412-148-11	INDUCTOR CHIP	56uH	
L802	1-412-148-11	INDUCTOR CHIP	56uH	
		< PHOTO INTERRUPTOR >		
PH701	8-719-017-55	NJL5161K-F10-B		
		< TRANSISTOR >		
Q101	8-729-141-48	TRANSISTOR	2SB624-BV345	
Q102	8-729-402-32	TRANSISTOR	2SD1819A-R	
Q201	8-729-141-48	TRANSISTOR	2SB624-BV345	
Q202	8-729-402-32	TRANSISTOR	2SD1819A-R	
Q301	8-729-403-17	TRANSISTOR	XN1215	
Q302	8-729-807-87	TRANSISTOR	2SB1295-UL6	
Q303	8-729-421-23	TRANSISTOR	XN1501	
Q304	8-729-807-87	TRANSISTOR	2SB1295-UL6	
Q305	8-729-420-50	TRANSISTOR	UN5215	
Q306	8-729-420-50	TRANSISTOR	UN5215	
Q307	8-729-420-50	TRANSISTOR	UN5215	
Q308	8-729-420-53	TRANSISTOR	UN5115	
Q309	8-729-420-53	TRANSISTOR	UN5115	

MAIN

Ref.No.	Part No.	Description				Remark
Q310	8-729-602-21	TRANSISTOR	2SC4154			
Q311	8-729-402-32	TRANSISTOR	2SD1819A-R			
Q312	8-729-230-60	TRANSISTOR	2SA1586-YG			
Q313	8-729-402-32	TRANSISTOR	2SD1819A-R			
Q501	8-729-141-48	TRANSISTOR	2SB624-BV345			
Q502	8-729-420-50	TRANSISTOR	UN5215			
Q601	8-729-420-53	TRANSISTOR	UN5115			
Q602	8-729-420-50	TRANSISTOR	UN5215			
Q603	8-729-420-53	TRANSISTOR	UN5115			
Q604	8-729-140-63	TRANSISTOR	2SA1611-M5M6			
Q605	8-729-012-44	TRANSISTOR	2SB1073-R-TW			
Q606	8-729-141-75	TRANSISTOR	2SD596DV345			
Q607	8-729-420-50	TRANSISTOR	UN5215			
Q608	8-729-421-15	TRANSISTOR	2SD1119-Q			
Q609	8-729-421-15	TRANSISTOR	2SD1119-Q			
Q610	8-729-141-75	TRANSISTOR	2SD596DV345			
Q611	8-729-012-44	TRANSISTOR	2SB1073-R-TW			
Q612	8-729-140-63	TRANSISTOR	2SA1611-M5M6			
Q613	8-729-420-53	TRANSISTOR	UN5115			
Q614	8-729-420-50	TRANSISTOR	UN5215			
Q615	8-729-420-50	TRANSISTOR	UN5215			
Q701	8-729-420-53	TRANSISTOR	UN5115			
Q702	8-729-807-87	TRANSISTOR	2SB1295-UL6			
Q703	8-729-400-55	TRANSISTOR	2SD1328-S			
Q704	8-729-602-21	TRANSISTOR	2SC4154			
Q705	8-729-420-50	TRANSISTOR	UN5215			
Q706	8-729-420-53	TRANSISTOR	UN5115			
Q707	8-729-140-63	TRANSISTOR	2SA1611-M5M6			
Q708	8-729-420-50	TRANSISTOR	UN5215			
Q709	8-729-420-50	TRANSISTOR	UN5215			
Q710	8-729-403-17	TRANSISTOR	XN1215			
Q711	8-729-403-45	TRANSISTOR	XN1115			
Q801	8-729-400-56	TRANSISTOR	2SD1328-T			
Q802	8-729-402-32	TRANSISTOR	2SD1819A-R			
Q803	8-729-141-48	TRANSISTOR	2SB624-BV345			
		< RESISTOR >				
R101	1-216-837-11	METAL CHIP	22K	5%	1/16W	
R102	1-216-837-11	METAL CHIP	22K	5%	1/16W	
R103	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R104	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R105	1-216-854-11	METAL CHIP	560K	5%	1/16W	
R106	1-216-837-11	METAL CHIP	22K	5%	1/16W	
R107	1-216-842-11	METAL CHIP	56K	5%	1/16W	
R110	1-216-824-11	METAL CHIP	1.8K	5%	1/16W	
R111	1-216-826-11	METAL CHIP	2.7K	5%	1/16W	
R112	1-216-851-11	METAL CHIP	330K	5%	1/16W	
R113	1-218-271-11	METAL GLAZE	2K	5%	1/16W	
R114	1-218-273-11	METAL GLAZE	510K	5%	1/16W	
R115	1-216-993-11	METAL GLAZE	2.4K	5%	1/16W	
R116	1-218-271-11	METAL GLAZE	2K	5%	1/16W	
R117	1-218-272-11	METAL GLAZE	5.1K	5%	1/16W	
R118	1-218-270-11	METAL GLAZE	1.1K	5%	1/16W	
R119	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R120	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R121	1-216-839-11	METAL CHIP	33K	5%	1/16W	
R122	1-216-837-11	METAL CHIP	22K	5%	1/16W	
R123	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R124	1-216-791-11	METAL CHIP	3.3	5%	1/16W	
R125	1-216-825-11	METAL CHIP	2.2K	5%	1/16W	
R126	1-216-837-11	METAL CHIP	22K	5%	1/16W	
R127	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R128	1-216-837-11	METAL CHIP	22K	5%	1/16W	
R129	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R201	1-216-837-11	METAL CHIP	22K	5%	1/16W	
R202	1-216-837-11	METAL CHIP	22K	5%	1/16W	
R203	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R204	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R205	1-216-854-11	METAL CHIP	560K	5%	1/16W	
R206	1-216-837-11	METAL CHIP	22K	5%	1/16W	
R207	1-216-842-11	METAL CHIP	56K	5%	1/16W	
R210	1-216-824-11	METAL CHIP	1.8K	5%	1/16W	
R211	1-216-826-11	METAL CHIP	2.7K	5%	1/16W	
R212	1-216-851-11	METAL CHIP	330K	5%	1/16W	
R213	1-218-271-11	METAL GLAZE	2K	5%	1/16W	
R214	1-218-273-11	METAL GLAZE	510K	5%	1/16W	
R215	1-216-993-11	METAL GLAZE	2.4K	5%	1/16W	
R216	1-218-271-11	METAL GLAZE	2K	5%	1/16W	
R217	1-218-272-11	METAL GLAZE	5.1K	5%	1/16W	
R218	1-218-270-11	METAL GLAZE	1.1K	5%	1/16W	
R219	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R220	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R221	1-216-839-11	METAL CHIP	33K	5%	1/16W	
R222	1-216-837-11	METAL CHIP	22K	5%	1/16W	
R223	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R224	1-216-791-11	METAL CHIP	3.3	5%	1/16W	
R225	1-216-825-11	METAL CHIP	2.2K	5%	1/16W	
R226	1-216-837-11	METAL CHIP	22K	5%	1/16W	
R227	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R228	1-216-837-11	METAL CHIP	22K	5%	1/16W	
R229	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R301	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R302	1-216-828-11	METAL CHIP	3.9K	5%	1/16W	
R303	1-216-828-11	METAL CHIP	3.9K	5%	1/16W	
R304	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R305	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R306	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R307	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R308	1-216-839-11	METAL CHIP	33K	5%	1/16W	
R309	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	

Ref.No.	Part No.	Description				Remark
R310	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R311	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R312	1-216-791-11	METAL CHIP	3.3	5%	1/16W	
R313	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R314	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R315	1-216-825-11	METAL CHIP	2.2K	5%	1/16W	
R316	1-218-347-11	METAL GLAZE	91K	5%	1/16W	
R317	1-218-344-11	METAL GLAZE	7.5K	5%	1/16W	
R318	1-216-843-11	METAL CHIP	68K	5%	1/16W	
R319	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R320	1-216-857-11	METAL CHIP	1M	5%	1/16W	
R321	1-216-849-11	METAL CHIP	220K	5%	1/16W	
R322	1-216-831-11	METAL CHIP	6.8K	5%	1/16W	
R323	1-216-815-11	METAL CHIP	330	5%	1/16W	
R501	1-216-852-11	METAL CHIP	390K	5%	1/16W	
R502	1-216-852-11	METAL CHIP	390K	5%	1/16W	
R503	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R504	1-216-804-11	METAL CHIP	39	5%	1/16W	
R505	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R506	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R507	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R508	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R601	1-216-851-11	METAL CHIP	330K	5%	1/16W	
R602	1-216-851-11	METAL CHIP	330K	5%	1/16W	
R603	1-218-295-11	METAL GLAZE	43K	5%	1/16W	
R604	1-216-843-11	METAL CHIP	68K	5%	1/16W	
R605	1-216-993-11	METAL GLAZE	2.4K	5%	1/16W	
R606	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R607	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R608	1-216-849-11	METAL CHIP	220K	5%	1/16W	
R609	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R610	1-216-851-11	METAL CHIP	330K	5%	1/16W	
R611	1-216-851-11	METAL CHIP	330K	5%	1/16W	
R612	1-216-804-11	METAL CHIP	39	5%	1/16W	
R613	1-216-804-11	METAL CHIP	39	5%	1/16W	
R614	1-216-851-11	METAL CHIP	330K	5%	1/16W	
R615	1-216-834-11	METAL CHIP	12K	5%	1/16W	
R616	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R617	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R618	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R619	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R620	1-216-834-11	METAL CHIP	12K	5%	1/16W	
R621	1-216-851-11	METAL CHIP	330K	5%	1/16W	
R622	1-216-851-11	METAL CHIP	330K	5%	1/16W	
R623	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R624	1-218-347-11	METAL GLAZE	91K	5%	1/16W	
R625	1-216-857-11	METAL CHIP	1M	5%	1/16W	
R626	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R627	1-216-825-11	METAL CHIP	2.2K	5%	1/16W	
R701	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R702	1-216-648-11	METAL CHIP	750	0.5%	1/10W	
R703	1-216-668-11	METAL CHIP	5.1K	0.5%	1/10W	
R704	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R705	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R706	1-216-815-11	METAL CHIP	330	5%	1/16W	
R707	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R708	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R709	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R710	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	
R711	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R712	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R713	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R714	1-216-839-11	METAL CHIP	33K	5%	1/16W	
R715	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R716	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R717	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R718	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R719	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R720	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R721	1-216-814-11	METAL CHIP	270	5%	1/16W	
R722	1-216-814-11	METAL CHIP	270	5%	1/16W	
R723	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R801	1-216-809-11	METAL CHIP	100	5%	1/16W	
R802	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R803	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R804	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R805	1-216-814-11	METAL CHIP	270	5%	1/16W	

< VARIABLE RESISTOR >

RV101	1-241-392-11	RES, VER, METAL 1K (DOLBY LEVEL L)
RV201	1-241-392-11	RES, VER, METAL 1K (DOLBY LEVEL R)
RV301	1-238-879-11	RES, VER, CARBON 10K/10K (VOL)
RV601	1-241-396-11	RES, VER, METAL 22K (SPEED)
RV602	1-241-396-11	RES, VER, METAL 22K (PLL)

< SWITCH >

S301	1-571-506-41	SWITCH, SLIDE (EX DBB)
S701	1-571-275-31	SWITCH, SLIDE (MODE)
S702	1-572-579-11	SWITCH, PUSH (1 KEY)(A/B DET)
S703	1-572-581-11	SWITCH, SLIDE (HEAD SWITCH)

< TRANSFORMER >

T801	1-449-885-11	DC-DC CONVERTOR TRANSFORMER

< VIBRATOR >

X701	1-579-258-11	VIBRATOR, CRYSTAL (32.768KHz)

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Ref.No.	Part No.	Description	Remark
		MISCELLANEOUS	
		************	
5	1-466-667-11	SWITCH UNIT	
82	1-692-002-11	SWITCH (BLOCK TYPE)	
83	1-572-580-11	LEAF SWITCH	
FG901	1-462-302-11	FG STATOR	
HP901	1-543-859-11	HEAD, MAGNETIC (PB)	
M901	1-541-916-11	DC MOTOR	
PM901	1-454-529-11	SOLENOID, PLUNGER	
**********			
		ACCESSORIES & PACKING MATERIALS	
		********************************	
	X-3329-657-1	ATTACHMENT ASSY	
	1-466-622-11	REMOTE CONTROL UNIT (RM-10D)	
	1-528-231-11	Ni-cd BATTERY (NC-6WM)	
	1-528-234-12	BATTERY CHARGER (BC-7L) (TOURIST)	
	1-528-327-11	BATTERY CHARGER (BC-7BY) (AEP)	
	1-528-338-12	BATTERY CHARGER (BC-7BT) (E)	
	1-528-382-11	BATTERY CASE	
	1-569-007-11	ADAPTER, CONVERSION 2P (E, TOURIST)	
	1-691-322-11	PLUG, ADAPTOR	
	3-375-572-01	CARRYING CASE	
*	3-376-554-01	INDIVIDUAL CARTON (TOURIST)	
*	3-376-555-01	CUSHION UPPER (TOURIST)	
*	3-376-556-01	CUSHION LOWER (TOURIST)	
*	3-376-750-01	INDIVIDUAL CARTON (E)	
*	3-376-784-01	CUSHION (AEP, E)	
*	3-376-791-01	INDIVIDUAL CARTON (AEP)	
	3-754-477-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH) (AEP, E)	
	3-754-477-41	MANUAL, INSTRUCTION (JAPANESE, ENGLISH) (TOURIST)	
	3-754-477-51	MANUAL, INSTRUCTION (SPANISH, PORTUGUESE) (AEP, E)	
	3-754-477-61	MANUAL, INSTRUCTION (GERMAN, DUTCH) (AEP)	
	3-754-477-71	MANUAL, INSTRUCTION (SWEDISH, ITALIAN) (AEP)	
	8-953-470-90	HEADPHONES MDR-E562MP SET	

9-956-811-11

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